

T. Gibbs

ENTERED



1600

RAW SEQUENCE LISTING DATE: 10/07/2003
 PATENT APPLICATION: US/09/436,060 TIME: 12:11:50

Input Set : N:\Crf3\RULE60\09436060.RAW.txt
 Output Set: N:\CRF4\10072003\I436060.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Kealey, James T.
 6 Pruzan, Ron
 7 Weinrich, Scott L.

9 (ii) TITLE OF INVENTION: Inhibitory Polynucleotides Directed
 10 Against the RNA Component of Telomerase

12 (iii) NUMBER OF SEQUENCES: 15

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
 16 (B) STREET: Two Embarcadero Center, 8th Floor
 17 (C) CITY: San Francisco
 18 (D) STATE: CA
 19 (E) COUNTRY: USA
 20 (F) ZIP: 94111

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk
 24 (B) COMPUTER: IBM PC compatible
 25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/09/436,060
 C--> 30 (B) FILING DATE: 08-Nov-1999
 W--> 36 (C) CLASSIFICATION: 514

33 (vii) PRIOR APPLICATION DATA:

34 (A) APPLICATION NUMBER: US/08/770,564A
 35 (B) FILING DATE: 20-DEC-1996

38 (viii) ATTORNEY/AGENT INFORMATION:

39 (A) NAME: Storella, John R.
 40 (B) REGISTRATION NUMBER: 32,944
 41 (C) REFERENCE/DOCKET NUMBER: 015389-002200US

43 (ix) TELECOMMUNICATION INFORMATION:

44 (A) TELEPHONE: 415-576-0200
 45 (B) TELEFAX: 415-576-0300

48 (2) INFORMATION FOR SEQ ID NO: 1:

50 (i) SEQUENCE CHARACTERISTICS:

51 (A) LENGTH: 981 base pairs
 52 (B) TYPE: nucleic acid
 53 (C) STRANDEDNESS: single
 54 (D) TOPOLOGY: linear

56 (ii) MOLECULE TYPE: DNA (genomic)

59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

61 CTGCAGAGGA TAGAAAAAAG WCCCTCTGAT ACCTCAAGTT AGTTTCACCT TTAAAGAAGG 60

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63 TCGGAAGTAA AGACGCAAAG CCTTTCCCGG ACGTGC GGAA GGGCAACGTC CTTCTCATG 120
65 GCCGGAAATG GAACTTTAAT TTCCCGTTCC CCCCACCAG CCCGCCGAG AGAGTGACTC 180
67 TCACGAGAGC CGCGAGAGTC AGCTTGCCCA ATCCGTGCGG TCGGCGGCCG CTCCCTTTAT 240
69 AAGCCGACTC GCCCGGCAGC GCACCGGGTT GCGGAGGGTG GGCCTGGGAG GGGTGGTGGC 300
71 CATTTTTTGT CTAACCCTAA CTGAGAAGGG CGTAGGCGCC GTGCTTTTGC TCCCCGCGCG 360
73 CTGTTTTTCT CGCTGACTTT CAGCGGGCGG AAAAGCCTCG GCCTGCCGCC TTCCACCGTT 420
75 CATTTCTAGAG CAAACAAAAA ATGTCAGCTG CTGGCCCGTT CGCCCTCCC GGGGACCTGC 480
77 GCGGGTTCGC CTGCCAGCC CCCGAACCCC GCCTGGAGGC CGCGGTCGGC CCGGGGCTTC 540
79 TCCGAGGCA CCCACTGCCA CCGCAAGAG TTGGGCTCTG TCAGCCGCGG GTCTCTCGGG 600
81 GCGGAGGGCG AGGTTAGGC CTTTCAGGCC GCAGGAAGAG GAACGGAGCG AGTCCCCGCG 660
83 CGCGGCGCGA TTCCCTGAGC TGTGGGACGT GCACCCAGGA CTCGGCTCAC ACATGCAGTT 720
85 CGCTTTCCTG TTGGTGGGGG GAACGCCGAT CGTGCGCATC CGTCAACCCCT CGCCGGCAGT 780
87 GGGGGCTTGT GAACCCCCAA ACCTGACTGA CTGGGCCAGT GTGCTGCAAA TTGGCAGGAG 840
89 ACGTGAAGGC ACCTCCAAAG TCGGCCAAAA TGAATGGGCA GTGAGCCGGG GTTGCTGGA 900
91 GCCGTTCTCG CGTGGGTCTT CCCGTCTTCC GCTTTTTGTT GCCTTTTATG GTTGATTAC 960
93 AACTTAGTTC CTGCTCTGCA G 981

96 (2) INFORMATION FOR SEQ ID NO: 2:
98 (i) SEQUENCE CHARACTERISTICS:
99 (A) LENGTH: 30 base pairs
100 (B) TYPE: nucleic acid
101 (C) STRANDEDNESS: single
102 (D) TOPOLOGY: linear
W--> 104 (ii) MOLECULE TYPE: DNA
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
109 CGTTCCTCTT CCTGCGGCCT GAAACGGTGA 30
112 (2) INFORMATION FOR SEQ ID NO: 3:
114 (i) SEQUENCE CHARACTERISTICS:
115 (A) LENGTH: 20 base pairs
116 (B) TYPE: nucleic acid
117 (C) STRANDEDNESS: single
118 (D) TOPOLOGY: linear
120 (ii) MOLECULE TYPE: DNA (genomic)
123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
125 CGTTCCTCTT CCTGCGGCCT 20
128 (2) INFORMATION FOR SEQ ID NO: 4:
130 (i) SEQUENCE CHARACTERISTICS:
131 (A) LENGTH: 12 base pairs
132 (B) TYPE: nucleic acid
133 (C) STRANDEDNESS: single
134 (D) TOPOLOGY: linear
W--> 136 (ii) MOLECULE TYPE: DNA
139 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
141 CGTTCCTCTT CC 12
144 (2) INFORMATION FOR SEQ ID NO: 5:
146 (i) SEQUENCE CHARACTERISTICS:
147 (A) LENGTH: 30 base pairs
148 (B) TYPE: nucleic acid
149 (C) STRANDEDNESS: single
150 (D) TOPOLOGY: linear

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W--> 152      (ii) MOLECULE TYPE: DNA
      155      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
      157 CTGACAGAGC CCAACTCTTC GCGGTGGCAG                      30
      160 (2) INFORMATION FOR SEQ ID NO: 6:
      162      (i) SEQUENCE CHARACTERISTICS:
      163          (A) LENGTH: 20 base pairs
      164          (B) TYPE: nucleic acid
      165          (C) STRANDEDNESS: single
      166          (D) TOPOLOGY: linear

W--> 168      (ii) MOLECULE TYPE: DNA
      171      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
      173 CTGACAGAGC CCAACTCTTC                      20
      176 (2) INFORMATION FOR SEQ ID NO: 7:
      178      (i) SEQUENCE CHARACTERISTICS:
      179          (A) LENGTH: 20 base pairs
      180          (B) TYPE: nucleic acid
      181          (C) STRANDEDNESS: single
      182          (D) TOPOLOGY: linear

W--> 184      (ii) MOLECULE TYPE: DNA
      187      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
      189 CCAACTCTTC GCGGTGGCAG                      20
      192 (2) INFORMATION FOR SEQ ID NO: 8:
      194      (i) SEQUENCE CHARACTERISTICS:
      195          (A) LENGTH: 30 base pairs
      196          (B) TYPE: nucleic acid
      197          (C) STRANDEDNESS: single
      198          (D) TOPOLOGY: linear

W--> 200      (ii) MOLECULE TYPE: DNA
      203      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
      205 GCTCTAGAAT GAACGGTGA AGGCGGCAGG                      30
      208 (2) INFORMATION FOR SEQ ID NO: 9:
      210      (i) SEQUENCE CHARACTERISTICS:
      211          (A) LENGTH: 19 base pairs
      212          (B) TYPE: nucleic acid
      213          (C) STRANDEDNESS: single
      214          (D) TOPOLOGY: linear

W--> 216      (ii) MOLECULE TYPE: DNA
      219      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
      221 GCTCTAGAAT GAACGGTGG                      19
      224 (2) INFORMATION FOR SEQ ID NO: 10:
      226      (i) SEQUENCE CHARACTERISTICS:
      227          (A) LENGTH: 15 base pairs
      228          (B) TYPE: nucleic acid
      229          (C) STRANDEDNESS: single
      230          (D) TOPOLOGY: linear

W--> 232      (ii) MOLECULE TYPE: DNA
      235      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
      237 GCTCTAGAAT GAACG                      15
      240 (2) INFORMATION FOR SEQ ID NO: 11:

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Input Set : N:\Crif3\RULE60\09436060.RAW.txt

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242      (i) SEQUENCE CHARACTERISTICS:
243      (A) LENGTH: 11 base pairs
244      (B) TYPE: nucleic acid
245      (C) STRANDEDNESS: single
246      (D) TOPOLOGY: linear
W--> 248      (ii) MOLECULE TYPE: DNA
251      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
253 GCTCTAGAAT G                                     11
256 (2) INFORMATION FOR SEQ ID NO: 12:
258      (i) SEQUENCE CHARACTERISTICS:
259      (A) LENGTH: 7 base pairs
260      (B) TYPE: nucleic acid
261      (C) STRANDEDNESS: single
262      (D) TOPOLOGY: linear
W--> 264      (ii) MOLECULE TYPE: DNA
267      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
269 GCTTCAG                                           7
272 (2) INFORMATION FOR SEQ ID NO: 13:
274      (i) SEQUENCE CHARACTERISTICS:
275      (A) LENGTH: 20 base pairs
276      (B) TYPE: nucleic acid
277      (C) STRANDEDNESS: single
278      (D) TOPOLOGY: linear
W--> 280      (ii) MOLECULE TYPE: DNA
283      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
285 CATTTTGTGT TTGCTCTAGA                             20
288 (2) INFORMATION FOR SEQ ID NO: 14:
290      (i) SEQUENCE CHARACTERISTICS:
291      (A) LENGTH: 17 base pairs
292      (B) TYPE: nucleic acid
293      (C) STRANDEDNESS: single
294      (D) TOPOLOGY: linear
W--> 296      (ii) MOLECULE TYPE: DNA
299      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
301 CGGGCCAGCA GCTGACA                               17
304 (2) INFORMATION FOR SEQ ID NO: 15:
306      (i) SEQUENCE CHARACTERISTICS:
307      (A) LENGTH: 20 base pairs
308      (B) TYPE: nucleic acid
309      (C) STRANDEDNESS: single
310      (D) TOPOLOGY: linear
W--> 312      (ii) MOLECULE TYPE: DNA
315      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
317 CCTGCGGCCT GAAACGGTGA                             20

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/436,060

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TIME: 12:11:51

Input Set : N:\Crf3\RULE60\09436060.RAW.txt

Output Set: N:\CRF4\10072003\I436060.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:36 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)
L:104 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2
L:136 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4
L:152 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5
L:168 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6
L:184 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7
L:200 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:216 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9
L:232 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10
L:248 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=11
L:264 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12
L:280 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13
L:296 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14
L:312 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15